

KANTOCH, M.
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Country: Poland

Academic Degrees: Not given

Presumed Ludwik Hirsztfeld Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doświadczalnej im. Ludwika Hirsztfelda), Polish Academy of Sciences (PAN-Polska Akademia Nauk), Wrocław; Director: Prof. Stefan SŁOPEK, Dr.

Source: Warsaw, Postępy Higieny i Medycyny Doświadczalnej, Vol XV, No 4, 1961, pp 385-386.

Data: "The Binding of Opsonizing Factors by the Complex: Virus-Antibody."

English abstract of article, originally published in Pathol et Microbiol, 1930, 23, 83.

Authors:

KANTOCH, M.

DUBOWSKA-INGLOT, A.

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Affiliation: Ludwik Hirszfeld Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doswiadczalnej im. Ludwika Hirszfelda), Polish Academy of Sciences (PAN-Polska Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.

Source: Warsaw, Postępy Higieny i Medycyny Doswiadczalnej, Vol XV, No 4, 1961, pp 386-387.

Data: "Inhibition of the Phagocytic Activity of Leucocytes by Coxsackie Viruses."

English abstract of three articles English, originally appearing as follows:

KANTOCH, M.
DUBOWSKA-INGLOT, A. Path et Microbiol 1960, 23, 83

KANTOCH, M.
DUBOWSKA-INGLOT, A. Path et Microbiol 1960, 23, 327

KANTOCH, M.
SZALATY, H. Arch Immunol i Terapii Dosw 1960, 8, 399.

(10 10144)

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SURNAME, Given Names

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Source: Warszawa, Postępy Higieny i Medycyny Doswiadczałnej, Vol XV, No 4,
Data: 1961, pp 387-388.

Data: "Lytic Activity of Bacteriophages for Phagocytosed Bacteria."

English abstract of English article; originally published in
Arch Immunol i Terapii Dosw., 1960, 8, 407.

Authors:

KANTOCH, M.

SZALATY, H.

are valid

DUBROWSKA-INGLLOT, Anna; KANTOCH, Miroslaw

Fixation of opsonizing factors by the virus-antibody complex.
Arch.immun.ter.dosw. 9 no.1:117-131 '61.

1. Department of Virology, Institute of Immunology and Experimental
Therapy, Polish Academy of Sciences, Wroclaw.
(VIRUSES immunol) (PHAGOCYTOSIS)

KANTOCH, Miroslaw

The role of phagocytes in virus infections. Arch.immun.ter.dow. 9
no.2:261-340 '61.

1. Department of Virology, Institute of Immunology and Experimental
Therapy, Polish Academy of Sciences, Wroclaw.

(VIRUS DISEASES immunol) (PHAGOCYTOSIS)

SLOPEK, Stefan; KANTOCH, Miroslaw; MULCZYK, Marian; MICHALSKI, Tadeusz

Electron-microscopic observations of *S. sonnei* (phase I, II and R-ferm). *Arch.immun.ter.dosv.* 9 no.3:357-361 '61.

1. Department of Bacteriology and Laboratory of Electron Microscopy,
Institute of Immunology and Experimental Therapy, Polish Academy of
Sciences, Wroclaw.

(SHIGELLA)

KANTOCH, Miroslaw; KANTOCH, Zofia; SZALATY, Helena

Phagocytic activity of leukocytes in cases of virus hepatitis. Arch. immun. ter. dow. 9 no.4:757-765 '61.

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw Municipal Hospital for Infectious Diseases, Wroclaw Department of Microbiology, School of Medicine, Wroclaw.

(HEPATITIS INFECTIOUS immunol) (PHAGOCYTOSIS)

KANTOCH, Miroslaw

Phagocytosis of viruses. J. hyg. epidem. 6 no.2:183-185 '62.

1. Institute of Immunology and Experimental Therapy, Department of Virology, Polish Academy of Sciences, Wroclaw.

(PHAGOCYTOSIS) (VIRUSES)

MAKOWER, Henryk; KANTOCH, Mirosław; SZALATY, Helena

The action of tannin on the process and components of phagocytosis.
I. Studies with bacteria. Arch. immun. ther. ex. 10 no.1:55-68 '62.

1. Department of Virology, Institute of Immunology and Experimental
Therapy, Polish Academy of Sciences, Wrocław Department of Medical
Microbiology, School of Medicine, Wrocław.

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(ESCHERICHIA COLI pharmacol) (BACTERIA pharmacol)

KANTOCH, Miroslaw; SZALATY, Helena; MAKOWER, Henryk

The action of tannin on the process and components of phagocytosis.
II. Studies with viruses. Arch. immun. ther. ex. 10 no.1:69-76 '62.

1. Department of Virology, Institute of Immunology and Experimental
Therapy; Polish Academy of Sciences, Wroclaw Department of Medical
Microbiology, School of Medicine, Wroclaw.

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(COSACKIE VIRUSES pharmacol)

MAKOWER, Henryk; KANTOCH, Mirosław; SZALATY, Helena

The action of tannin on the process and components of phagocytosis.
I. Studies with bacteria. Arch. immun. ther. ex. 10 no.1:55-68 '62.

1. Department of Virology, Institute of Immunology and Experimental
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MAKOWER, Henryk; KANTOCH, Mirosław; SZALATY, Helena

The action of tannin on the process and components of phagocytosis.
I. Studies with bacteria. Arch. immun. ther. ex. 10 no.1:55-68 '62.

1. Department of Virology, Institute of Immunology and Experimental
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Microbiology, School of Medicine, Wrocław.

(TANNIN pharmacol) (PHAGOCYTOSIS pharmacol)
(ESCHERICHIA COLI pharmacol) (BACTERIA pharmacol)

KANTOCH, Mirosław; KUCZKOWSKA, Barbara

Cultivation of mouse muscle cells on reconstituted collagen.
Arch. immun. ther. exp. 12 no.3:345-357 '64.

Studies on susceptibility of mouse muscle cells to Coxsackie
A4 virus infection. Ibid.:358-369

1. Department of Virology and Electron-Microscopy Laboratory,
Institute of Immunology and Experimental Therapy, Polish Academy
of Sciences, Wrocław.

KANTOCH, Mirosław; KUGAŁOWSKA, Barbara

Studies on the susceptibility of newborn and adult mice
to infection with *Coxsackie* viruses. Arch. Immun. Ther.
exp. 12 no. 4:497-502 '64

1. Department of Virology, Institute of Immunology and Ex-
perimental Therapy, Polish Academy of Sciences, Wrocław.

KANTOCH, Mirosław; KUCZKOWSKA, Barbara

A new method of cultivating vaccinia and variola viruses in organ cultures of rabbit corneas. Arch. immun. ther. exp. 12 no.6:709-723 '64

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław.

KANTOCH, Mirosław; SIEMINSKA, Alicja

Studies on factors stimulating growth of mouse muscle cultures in vitro. Arch. immun. ther. exp. 13 no.4:407-412 '65.

Studies on the susceptibility of mouse muscle cultures to Coxsackie A4 viruses in vitro. Ibid.:413-421

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wrocław.

MICROBIOLOGY

POLAND

DOBROWOLSKA, Halina, Department of Virology of the National Institute of Hygiene in Warsaw (Zaklad Wirusologii PZH) Head: (Kierownik) Docent Dr. M. KANTOCH

"Studies on Strains of Poliomyelitis Virus Isolated in Poland During the 1959-1965 Period. Biological Properties of Attenuated Strains Isolated from Vaccinated Humans"

Warsaw, Medycyna Doswiadczalna Mikrobiologia, Vol 18, No 4, 1966; p. 375-383

Abstract [English summary modified]: Study of antigenic markers of oral live poliomyelitis vaccine type 1 CHAT (Koprowski), and type 2 P 712 Ch2 / ab (Sabin); both of these attenuated live vaccine virus strains revealed quite marked stability in vaccinated children and passings with the population. 2 tables; 2 Polish, 19 Western references.

1/1

POLAND

DOBROWOLSKA, Halina; and STANCZYK, Regina, Department of Virology of the National Institute of Hygiene in Warsaw (Zaklad Wirusologii PZh) Head (Kierownik) Docent Dr. M. KANTOCH

"Studies on Strains of Poliomyelitis Virus Isolated in Poland During the 1959-1965 Period. Interdependence Between Genetic Markers of Strains and their Antigenic Structure and Neuropathological Properties"

Warsaw; Medycyna Doswiadczalna Mikrobiologia, Vol 18, No 4, 1966; p. 385-395

Abstract [English summary modified]: Testing of 5 strains of type 1 poliomyelitis wild virus, isolated from patients, and of 2 strains of attenuated CHAT virus or d, T markers, antigenic properties and neuropathological properties in monkeys; and also of 5 type 2 strains and 2 control strains from oral attenuated virus P 712 Ch 2 ab Sabin indicated that presence of antigenic markers and neuropathological properties for monkeys was not a reliable correlation. 2 tables, 8 Western references.

POLAND

DOBROWOLSKA, Halina, Department of Virology of the National Institute of Hygiene in Warsaw (Zaklad Wirusologii PZH) Head (Kierownik) Docent Dr. M. KANTOCH

"Studies on Strains of Polomyelitis Virus Isolated in Poland During the 1959-1965 Period. Characteristics of Strains Isolated Following the Vaccination Activities"

Warsaw, Medycyna Doswiadczalna Mikrobiologia, Vol 18, No 4, 1966; p. 397-404

.....
Abstract [English summary modified]: Detailed analysis of wild polio-
myelitis strains circulating in the Polish populations since the intro-
duction of the oral vaccination in 1965 indicated that any variation of
the attenuated live vaccine strain is extremely rare and limited in
significance. 2 tables; 4 Western, 2 Polish, 2 Soviet references.

1/1

KANTOCH, Miroslaw; KANTOCH, Zofia; SZALATY, Helena

Phagocytic activity of leukocytes in cases of virus hepatitis. Arch. immun. ter. dow. 9 no.4:757-765 '61.

1. Department of Virology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw Municipal Hospital for Infectious Diseases, Wroclaw Department of Microbiology, School of Medicine, Wroclaw.

(HEPATITIS INFECTIOUS immunol) (PHAGOCYTOSIS)

NIEDZWIEDZKA, Ewa; BASISTA, Barbara; SZALATY, Helena; KANTOCH, Miroslaw

Reducing properties of leukocytes. Arch. immun. ter. dosw. 9 no.4:
767-778 '61.

1. Department of Virology, Institute of Immunology and Experimental
Therapy, Polish Academy of Sciences, Wroclaw Department of Medical
Microbiology, School of Medicine, Wroclaw.

(PHAGOCYTOSIS)

SHAKIN, V.A.; KANTOLINSKIY, S.I. [Kantolins'kyi, S.I.]

Stratigraphic position of the dark-colored formation in the
Dusino-Polyana region of Transcarpathia. Geol.zhur. 23 no.3:
107-111 '63. (MIRA 16:9)

1. Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut.
(Transcarpathia--Geology, Stratigraphic)

L 45277-66 EWT(m)/EWP(1)/T RM

ACC NR: AP6023234 (4) SOURCE CODE: UR/0342/66/000/004/0015/0017

AUTHOR: Kantonistov, A. M., (Deputy Director for Scientific Research, Candidate of Technical Sciences); Chubarova, G. D., (Chief of the Weaving Department); Novolodskaya, I. G., (Chief of Assortment Laboratory); Belousova, Z. P., (Chief of Laboratory of Weaving Technology)

ORG: Leningrad Scientific Research Institute of the Textile Industry (Len NIITP), (Leningradskiy nauchno-issledovatel' skiy institut tekstil' noy promyshlennosti)

TITLE: Bulkied yarn fabrics

SOURCE: Tekstil' naya promyshlennost' , no. 4, 1966, 15-17

TOPIC TAGS: synthetic fiber, orlon, acrilon, exlan, courtell, nitron, lavsan, polyacrylonitrile, bulkied yarn

ABSTRACT: The Leningrad Scientific Research Institute for the Textile Industry has created new imitation-~~wool~~ bulk fabrics made from nonstabilized yarns containing corded fibers of polyacrylonitrile and polyester synthetics (orlon, acrilon, exlan, courtell, nitron, lavsan) and yarns made of spun fibers ("B" nitron and

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ACC-NR: AP6023234

nitron, a pure polymer of irregular shrinkage. The fabric was bulked by irregular shrinkage of the fibers during heat treatment. The author describes the properties of the fabrics made from nonstabilized bulked yarn, processed from twisted orlon and gives a detailed description of the properties of the yarn used. The data given show that the yarn is of high and relatively uniform strength and, therefore, breaks infrequently during weaving. The use of twisted yarn made sizing unnecessary. Table 1 in the original article shows the weaving characteristics of the sample fabrics, finished at the V. Slutskaya and "Lensukno" mills. Table 2 shows the properties of some unfinished and finished samples. Fabrics made of nonstabilized yarn, produced from corded polyacrylonitrilic and polyester fibers were developed by the authors with the assistance of associates of the Zhelyabov Mill. Table 3 shows the properties of acrilon, exlans, courtell, nitron and lavsan of samples. The shrinkage of nitron samples during heat treatment was lower than for orlon fabrics. Fabrics made from nonstabilized yarn, produced from a blend of spun fibers of irregular shrinkage used nonstabilized No 54/2 (18.5 Text. x 2) fibers, containing "B" nitron and pure-polymer nitron. Samples of the three types of fabrics were produced at the Zhelyabov Weaving Mill, and the sample made from yarn containing 50% nitron (both types) was found to be the best. The tests carried

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L 45277-66

ACC NR: AP6023234

out showed that the outlooks for the use of various highly shrinkable fibers to produce bulked fabrics are promising and that research to develop such fabrics should continue. Orig. art. has: 3 tables.

[GC]

SUB CODE: 11/ SUBM DATE: none/

Card 3/3

KOTLER, F.I.; KANTOR, A.A.

Multiple injuries of the cerebrocranial nerves and the cervical part of the sympathetic nerve, caused by nasopharyngeal sarcoma, invading the cranial cavity. Vest. oterinolar. 13 no.2:66-68 Mar-Apr 51.
(CIML 20:8)

1. Of the Neurological Division of the Hospital for Invalids of the Fatherland War, Saransk.

KANTOR, A.A.

Masking effect of penicillin in otorhinolaryngologic complications.
Vest. otorimolar. 13 no.3:80-81 May-June 1951. (CLML 20:11)

1. Of the Surgical Division (Head--K.I. Kuskova), Republic Hospital
Mordov ASSR (Head Physician--B.I. Kotlyar).

KANTOR, A. A.

Ear - Diseases

Casuistics of otogenous thrombo-phlebitis of the cavernous sinus. Vest. oto-rin.,
14, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October, 1952 ~~1953~~, Uncl.

KANTOR, A.A.

~~Methodology of decompression trepanation in otogenous abscesses~~
of the brain. Vest.oto-rin. 17 no.3:77-78 My-Je '55.

1. In Kliniki Bolesney ukha, gorla i nosa (zav.-dotsent D.A.
Bytchenko) Chernovitskogo meditsinskogo instituta.
(EAR--SURGERY) (BRAIN--ABSCESS)

KANTOR, A.A., kandidat meditsinskikh nauk

**Bilateral pneumothorax following tracheotomy and its pathogenesis.
Vrach.delo no.5:541 My '57. (MIRA 10:8)**

**1. Kafedra ukha, gorla i nosa (sav. - dots. D.A.Butchenko)
Chernovitskogo meditsinskogo instituta i kafedra fiziologii (sav. -
dots. D.A.Kocherga) Chernovitskogo universiteta
(PNEUMOTHORAX) (TRACHEA--SURGERY)**

KANTOR, A.A., kand.med.nauk

**Effect of tonsillectomy in chronic tonsillitis on the course
of thyrotoxicosis. Vrach.delo no.11:1209 N'58 (MIRA 12:1)**

**1. Klinika boleznay ucha, gorla, i nosa (sav. - dots. D.A.
Bytchenko) Chernovitskogo meditsinskogo instituta i Chernovitskiy
oblastnoy sobno-endokrinologicheskiy dispanser (oblastnoy endokrinolog
dots. B.B. Rodnyanskiy).**

(TONSILS)

(THYROID GLAND--DISEASES)

KANTOR, A.A., kand.med.nauk, TARASYUK, V.Z., kand.med.nauk

Tympanoplasty using a submerged skin flap: Vest.oto-rin. 23
no.5:128 8-0 '58 (MIRA 11:12)

1. Is kafedry bolezney ucha, gorla i nosa (sav. - dots. D.A.
Bytchenko) Chernovitskogo meditsinskogo instituta.
(EAM--SURGERY)

KANTOR, A.A., kand.med.nauk

Diagnosis of simulated foreign bodies in the trachea and bronchi.
Zhur. ush., nos. i gorl. bol. 20 no.5:26-30 8-0 '69.

(MIRA 14:6)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - dotsent D.A.
Bytchenko) Chernovitskogo meditsinskogo instituta.
(RESPIRATORY ORGANS—FOREIGN BODIES)

KANTOR, A.A., dotsent

Survey of Russian and foreign literature on tympanoplasty.
Zhur. ush., nos. 1 gorl. bol. 21 no.1:81-90 Ja-F '61.

(MIRA 14:6)

(BIBLIOGRAPHY—EAR—SURGERY)

KANTOR, A.A., dotsent; NAZARENKO, A.A., mekhanik

Some reconstructive changes in the surgical microscope put out by the "Krasnogvardeets" factory. Zhur.ush., nos.1 gorl.bol. 22 no.2:81 Mr-Apr '62. (MIRA 15:11)

1. Kafedra bolezney ukha, gorla i nosa Ternopol'skogo meditsinskogo instituta.

(OTORHINOLARYNGOLOGY—EQUIPMENT AND SUPPLIES)

~~KANTOR, A.A., dotsent~~

Method of indirect mobilization of the stapes in otosclerosis.
Zhur. ush., nos. 1 gorl. bol. 23 no.4:86-87 JI-Ag'63.

(MIRA 16:10)

1. Iz kafedry otolaringologii Ternopol'skogo meditsinskogo
instituta (rektor - dotsent P.Ye. Ogiy).

(TYMPANAL ORGAN — SURGERY) (OTOSCLEROSIS)

LIPNITSKIY, N.V.; KANTOR, A.A., dotsent; SHAMRAYEVSKIY, S.M., dotsent

Treatment of chronic hypertrophic rhinitis by means of special
coagulating biactive electrodes. Zhur. ush. nos. i gorl. bol.
23 no.6:79 80 N-D '63. (MIRA 17:5)

1. Iz kafedry bolezney ukha, gorla i nosa (zaveduyushchiy - dotsent
A.A. Kantor) i kafedry fiziki (zaveduyushchiy - dotsent S.M.
Shamrayevskiy) Ternopol'skogo meditsinskogo instituta.

KANTOR, A.A., dotsent (Ternopol')

Some problems of differential diagnosis of otosclerosis and treatment of vertigo during this disease by severing the chorda tympani.
Zhur. ush., nos. 1 gor. bol. 24 no.2:42-46 Mr-Ap '64 (MIRA 18:1)

1. Iz kliniki bolezney ukha, gorla i nosa Ternopol'skogo meditsinskogo instituta (rektor - dotsent P. Ye. Ogiy).

KANTOR, A.A., dotsent

Microsurgical treatment of the labyrinthine fenestra in tympanoplasty from the viewpoint of the histopathology of parafenestral formations. Zhur.ush., nos. 1 gorl. bol. 24 no.5:3-10 S-O '64.

(MIRA 18:3)

1. I kliniki bolezney ukha, gorla i nosa (zav. - dotsent A.A. Kantor) i kafedry patologicheskoy anatomii (zav. - prof. A.T. Khazanov) Ternopol'skogo meditsinskogo instituta.

ISKENDEROV, I.A., kand.tekhn.nauk; KANTOR, A.G., inzh.

Designing underwater pipe for the action of ocean waves. Stroi.
truboprovod. 6 no.8:9-11 Ag '61. (MIRA 14:8)

1. Institut Gipromorneft', Baku.
(Underwater pipelines)

ISKENDEROV, I.A., kand. tekhn. nauk; KANTOR, A.G., inzh.

Designing underwater pipelines for the action of sea waves. Stroi.
truboprov. 6 no.7:14-16 J1 '61. (MIRA 14:8)

: 1. Institut Gipromerneft', Baku.
(Underwater pipelines)

OVSYANNIKOVA, Svetlana Aleksandrovna; KANTOR, A.I., redaktor; ROZEN, N.A.,
tekhnicheskiy redaktor

[Studying the history of the workers' movement in a district; a manual
for workers in local museums] Izuchenie istorii rabochego dvizheniia
kraia; posobie dlia rabotnikov kraevedcheskikh muzeev. Moskva, Gos.
izd-vo kul'turno-prosvetit. lit-ry, 1956. 65 p. (MLBA 9:12)
(Labor and laboring classes--History)

KANTOR, A.S.

Disdainful attitude toward suggestions made by efficiency workers.
Vent. svyazi 15 no.8:26-27 Ag'55. (MLRA 8:12)

1. Master svyazi, tekhnik Zhitomirskoy gorodskoy translyatsionnoy
seti.

(Telecommunication)

5(2)

06221

SOV/64-59-6-13/28

AUTHORS:

Klevke, V. A., Kantor, A. S.

TITLE:

On Some Properties of Ammoniates on the Basis of Ammonium Nitrate and Urea

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 6, pp 507 - 509 (USSR)

ABSTRACT:

The mutual solubility of the components of the system $\text{NH}_4\text{NO}_3 - \text{CO}(\text{NH}_2)_2 - \text{NH}_3 - \text{H}_2\text{O}$ was investigated by means of a special apparatus (Fig 1) at 30 and 0°. In the case of different $\text{NH}_3 : (\text{NH}_3 + \text{H}_2\text{O})$ ratios the investigations were carried out according to the methodology described in the paper by Professor I. R. Krichevskiy (GIAP). Basically, the apparatus consists of two thick-walled test tubes placed one on top of the other and joined by two ducts via a metal head. The ducts can be closed by two valves. One duct serves for the maintenance of the pressure balance between the two test tubes, the second is used to convey the filtered-off solution from one tube into the other. Urea in the filtered-off equilibrium solution was determined by means of the

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On Some Properties of Ammoniates on the Basis of Ammonium Nitrate and Urea 06221
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urease method developed by Marshal as improved by R. S. Oks (Chernorechenskiy khimicheskiy zavod) (Chernorechenskiy Chemical Plant). The results obtained (Table 1) show that the highest common solubility of 96.9% is reached at 30° (for 70% ammonia water), in which case ammonium nitrate amounts to 53.4%. The mutual solubility of urea and ammonium nitrate in aqueous ammonia solutions was determined at 0° for $\text{NH}_3 : (\text{NH}_3 + \text{H}_2\text{O})$ ratios of 0.2, 0.4, and 0.5 (Fig 2, Table 2), and it was found that in the case of the two latter values complex compounds of the compositions $\text{CO}(\text{NH}_2)_2 \cdot 0.11\text{NH}_3$ (0.4) and $\text{CO}(\text{NH}_2)_2 \cdot 0.25\text{NH}_3$ (0.5), respectively, are formed. The solubility of the salts in the saturated solutions increases at 30° with mounting $\text{NH}_3 : (\text{NH}_3 + \text{H}_2\text{O})$ ratios, which does not hold for 0°, since in this case the complex compounds form. On the basis of the data obtained the compositions of the four ammoniates best suited for agricultural purposes are listed (Table 3). Their vapor pressures were determined on a special apparatus (Fig 3). There are 3 figures, 3 tables,

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On Some Properties of Ammoniates on the Basis of
Ammonium Nitrate and Urea

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and 9 references, 1 of which is Soviet.

Card 3/3

KLEVKE, V.A.; KANTOR, A.S.; LYUDKOVSKAYA, B.G. Priznala uchastiy
SEREGINA, R.P.

Study of nitrophoska pulp compositions by sulfate and sulfuric
acid methods. Zhur. prikl. khim. 37 no.11:2334-2341 N '64
(MIRA 18:1)

BR

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BOOK EXPLOITATION

S/0790

Kantor, Aleksandr Vasil'yevich

Apparatus and methods of measurement in rocket tests (Apparatura i metody* izmereniy pri ispytaniyakh raket) Moscow, Oborongiz, 1963. 519 p. illus., biblio. Errata slip inserted. 6000 copies printed. Reviewers: Znamenskaya, A. M. (Doctor of Technical Sciences); Grosman, B. P. (Engineer); Editor: Brontman, D. K. (Candidate of Technical Sciences); Deputy editor: Shteynberg, G. I. (Engineer); Publishing house editor: Burakova, O. N.; Technical editor: Oreshkina, V. I.

TOPIC TAGS: rocket test, test apparatus, test method, rocket stand test, rocket flight test, radiotelemetry, on board measurement, tracking, unit time service, radio sounding

PURPOSE AND COVERAGE: This book is intended for a wide circle of scientific personnel and engineers concerned with rocket technology. Methods and systems of measurement applicable for stand and flight tests are outlined. Radiotelemetric and on-board measurements are analyzed in detail, as are tracking measure-

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ments, contemporary radiotelemetry and tracking methods, systems of unit time, and different types of stand measurement. The treatment of measurement results is clarified. Along with systems of the analog type, discrete systems of measurement and automation of work on the measurement results from stand and flight tests are analyzed in detail. Different types of apparatus used in testing rockets are described. Part IV and Section 3 of Chapter 2 were written by Engineer S. Ya. Dul'kin. The author expresses his deep gratitude to Engineer B.F. Grosman and Doctor of Technical Sciences A. M. Znamenskaya for their invaluable aid with the manuscript, and to the scientific editor, Candidate of Technical Sciences D. K. Brontman.

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Part III. Contemporary radiotelemetric measurements with tracking measurements.

The unit time service and radio-sounding of the atmosphere

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Ch. 2. Apparatus of the unit time service - - 332

Ch. 3. Apparatus for radio-sounding the atmosphere - - 343

Literature - - 349

Part IV. Stand tests

Card 3/4

AM4033659

Ch. 1. Measuring and recording apparatus - - 355

Ch. 2. Measurements during rocket-engine-installation stand tests - - 371

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Part V. Discrete methods of measurement

Ch. 1. General information concerning discrete measuring systems. Elements of discrete systems - - 377

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SUB CODE: PR, NO

SUBMITTED: 22Aug63

NR REF SOV: 058

OTHER: 121

Card 4/4

A. Y. KANTOR

(9)

PLATE 1. ROCK IN
NORTHWESTERN MOUNTAIN, SOUTHWESTERN ALABAMA, 1978

THE NEW YORK PUBLIC LIBRARY

10/1/2017

[illegible][illegible]

Keywords: This book is intended for chemists, chemical engineers, and workers of non-ferrous metallurgy in the extraction of pyrites.
Contents: The book is a collection of papers presented at the 23rd Symposium on the Chemistry of Organic Sulfur, and Nitrogen Compounds, Caracas, June 30, 1976. The book consists of 12 sections: 1) Introduction; 2) Synthesis, determination, and analysis of organic sulfur compounds; 3) Properties and applications of organic sulfur compounds; 4) Organic sulfur compounds in the environment; 5) Determination of organic sulfur in pyrites and pyrites and pyrites in petroleum and of sulfur sulfur in sulfur by thermal analysis; 6) Pyrites; 7) Determination of organic sulfur compounds in pyrites; 8) Pyrites; 9) Pyrites; 10) Pyrites; 11) Pyrites; 12) Pyrites. The book contains 335 references, 66 tables, 170 figures, 130 illustrations, 5 figures, 12 drawings, and 12 tables.

100

THE NEW YORK PUBLIC LIBRARY

[illegible]

12/26

Inventory of Biological Organisms (Cont.)

10/1/13

Advertisement for a method for determining the nature of the molecular condensed aromatic hydrocarbons.

11

Formal

100-443887-100

100

...to be ...

1992

Chromatography Method

五

Testing an Experimental Circuit
Installation for the Protection
Against Fire

Card 3/20

KANTOR, A.Ya.

Chromatographic methods employed at the Ufa synthetic alcohol
plant. Zav.lab. 28 no.2:250 '62. (MIRA 15:3)

1. Nachal'nik opytno-issledovatel'skogo tsekha Ufimskogo zavoda
sinteticheskogo spirta.
(Ufa--Alcohol) (Chromatographic analysis)

KANTOR, H.

Making photographs in the evening. Sov. foto 17 no. 7:21-24 J1
'57. (PLA 10:8)

(Photography, Night)

KANTOR, B.

PA 12151

USSR/Fuel Conservation
Engines, Marine

Jun 1947

"Economy of Fuel in the Condensate Pipe in Power
Installations by Means of Packing Washers,"
B. Kantor, 3 pp

"Morskoy Flot" Vol VII, No 6, 36-37

Device to cut down the 20% loss resulting from
faulty operation of condensation equipment.

12151

LUGOV'YER, L.; KANTOR, B.

Viewfinder for photomicrography. Sov, foto 20 no. 12:29-30
D '60. (MIRA 14:1)
(Photomicrography--Equipment and supplies)

KANTOR, Bela, dr.

Remark on the problem of centralized shipping and transportation.
Kozleked kozl 17 no.49:832-834 D '61.

KANTOR, B.A., geolog

Artificial filling in of the head race during the building
period. Gidr. stroi. 32 no.12:39 D '61. (MIRA 15:2)
(Dams)

PETROVA, L.A.; YAROSH, Ye.P.; KANTOR, B.B.

Salt separation of the products of the acetonation of sorbose.
Trudy VNIVI 6:41-47 '59. (MIRA 13:7)

1. Sinteticheskaya laboratoriya Vsesoyuznogo nauchno-issledovatel'-
skogo vitaminного instituta i Leningradskiy vitaminnyy zavod No.1.
(SORBOSE)

KANTOR, B.V.

Saving of power resources by the industrial enterprises of Perm Province. Prom. energ. 15 no.8:12-13 Ag '60. (MIRA 15:1)

1. Direktor Permskogo energosbyta.
(Perm Province—Electric power)

Report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

130. A. A. Dymov (Moscow): Problem of the theory of plasticity under uniaxial loading.
131. V. A. Babin (Moscow): Elastic-plastic vibrations of rods of non-linear viscoelasticity.
132. V. A. Babin (Moscow): The problem of nonlinear plastic vibrations of a homogeneous plastic rod of a very long rectangular plate.
133. A. A. Babin (Moscow): On a method of solving the equations of viscoelasticity for a homogeneous plastic rod in the presence of a constant load.
134. A. A. Babin (Moscow): An engineering method for the calculation of the lateral displacement of a rod under a constant load.
135. A. A. Babin (Moscow): The determination of vertical displacements and stresses in a homogeneous plastic rod under a constant load.
136. A. A. Babin (Moscow): Loading of cantilever plates of viscoelasticity.
137. A. A. Babin (Moscow): The effect of aging on the theory of viscoelasticity.
138. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
139. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
140. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
141. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
142. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
143. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
144. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
145. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
146. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
147. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
148. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
149. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
150. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
151. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
152. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
153. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
154. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
155. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
156. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
157. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
158. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
159. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
160. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
161. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
162. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
163. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
164. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
165. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
166. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
167. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
168. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
169. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.
170. A. A. Babin (Moscow): On the theory of viscoelasticity and its application to the theory of plasticity.

54

S/044/61/000/007/042/055
C111/C222

AUTHOR: Kantor, B.Ya.

TITLE: The bending of a plate of variable thickness which has the form of a circular rectangle and is clamped along the smaller boundary of the arc

PERIODICAL: Referativnyy zhurnal Matematika, no. 7, 1961, 34-35, abstract 7 V 229. ("Prikl. mekhanika", 1960, 6, no. 4, 420-428)

TEXT: The author describes an approximate method for the calculation of the bending of cantilever plates of a variable bending resistance. In this method the integro differential equation of the equilibrium is replaced approximately by a system of integral equations which then is approximated by a system of algebraic equations. The calculation of concrete plates was carried out with the device "Strela". The results of the calculations of two plates are compared with experimental results. ✓

[Abstracter's note : Complete translation.]

Card 1/1

25089

S/122/60/000/011/002/020

A161/A127

26-2120

AUTHOR: Kantor, B. Ya., Engineer

TITLE: Calculation of critical velocities of multiple-rest rotors with a variable cross-section by means of the "Strela" computer

PERIODICAL: Vestnik mashinostroyeniya, ⁴⁰no. 11, 1960, 7-10

TEXT: The calculation of natural critical velocities of multiple-rest rotors with a variable mass and rigidity is of great importance in the design of turbines, power generators, etc. In the general practice of design offices various approximated calculation methods are used, since precise calculation is a very laborious process. Therefore, the application of high-speed digital computers has been suggested. In a book, written by B. M. Kagan and T. M. Ter-Mikaelyan (Ref. 4: Resheniye inzhenernykh zadach na avtomaticheskikh vychislitel'nykh mashinakh/Solution of Engineering Problems by Automatic Computers/Gosenergoizdat, 1958) the calculation of the critical velocities of a twin-rest rotor with elastic supports by means of the BESM computer has been described. The present study contains methods and logical programming schemes for the determination of critical velocities of multiple-rest rotors with rigid supports developed by means

Card 1/6

Calculation of critical velocities of ...

8/122/60/000/011/002/020
A161/A127

of the "Strela" computer of the computing center of the AS USSR. The program is based on the conventional integration calculus by parts of the differential equation

$$\frac{d^2}{dx^2} \left[EJ(x) \frac{d^2 y}{dx^2} \right] - m(x) \omega^2 y = 0, \quad (1)$$

where: E -- the elasticity modulus
J(x) -- the inertia moment of the rotor cross section
m(x) -- mass per unit of length
 ω -- circumferential vibration frequency
y -- flexural amplitude of the rotor axis

This method is quoted from a study by M. A. Prokhorov (Ref. 3: A general method for the calculation of critical speeds of flexible rotors, "J. of Appl. Mech.", Sep. 1945.) In the calculus, the four boundary conditions have to be observed. For the integration of the equation (1) an approximate calculation scheme is used (Fig. 1a) which is easily obtained by dividing the rotor into a series of parts and reducing the mass of each part to its ends in such a way that the position of the center of gravity is not changed. The rotor parts between the concentrated masses were considered weightless rods with a flexural rigidity equal to the mean rigidity of the corresponding part of the actual rotor. Integration within the limits

Card 2/6

7:085

Calculation of critical velocities of ...

8/122/60/000/011/002/020
A161/A127

of the shafting span was reduced to a successive calculation of the individual parts of the rotor according to formulas (7)

where β = angle of inclination
of the bent axis of
the shaft
Q = transverse force

$$\begin{aligned} Q_k &= Q_{k-1} + m_{k-1} \omega^2 y_{k-1}; \\ M_k &= M_{k-1} + Q_k \Delta x_k; \\ \theta_k &= \theta_{k-1} + \frac{1}{2} \beta_k (M_{k-1} + M_k); \\ y_k &= y_{k-1} + \theta_{k-1} \Delta x_k + \beta_k \times \\ &\times \left(\frac{1}{3} M_{k-1} + \frac{1}{6} M_k \right) \Delta x_k; \end{aligned} \quad (7)$$

где $\beta_k = \frac{\Delta x_k}{EJ_k}$ — гибкость k-го участка.

where β_k = the flexibility of the k-th part

Card 3/6

Calculation of critical velocities of ...

8/122/60/000/011/002/020
.A161/A127

In connection with the use of the "Strela" computer for the numerical integration of the problem according to an elaborate logical programming scheme, some basic specifications of the computer are given: operational capacity averaging up to 2,000 arithmetic and logic operations per second; numbers are represented in a binary system with a floating comma; the system of orders is a three-address type; the memory capacity comprises 2,048 locations. Basic programming procedures are described, while details of the programming technique have been omitted. The program contained 130 orders for the calculation of any necessary number of natural critical vibration frequencies of rotors with an arbitrary number of rests (shafting spans) and parts in these spans. The following numerical input data were used: number of shafting spans; number of parts (sections) in each span; number of natural frequencies which must be determined; a table with values for the length of the parts Δx ; the mass of the points m and the flexibilities of the parts. The table and the flexibility values have been arranged manually in a short period of time while programming of the same would have been too cumbersome. Having changed several orders of the program permitted of taking into consideration the gyroscopic effect of a massive disc put on the console end of the rotor. The program has been successfully used by the Khar'kovskiy turbinnyy zavod im. S. M. Kirova

Card 4/6

. 25089

Calculation of critical velocities of ...

S/122/60/000/011/002/020
A161/A127

(Khar'kov Turbine Plant im. S. M. Kirov) for the calculation of the shaft line of steam turbines. The calculations were carried out by the "Strela" computer of the Computing Center of the AS USSR. Figure 3 was drawn in accordance with results obtained from the calculation of an 8-rest shaft line of a 300,000 k-w steam turbine, a project of the above-mentioned KhTZ (Khar'kov Turbine Plant); the calculation scheme contained 57 parts. The following rates were accepted: $\omega_0 = 80^1/\text{sec}$; $\Delta\omega = 10^1/\text{sec}$. The first four critical velocities were determined. The following values were obtained: $\omega_{cr1} = 136.5^1/\text{sec}$; $\omega_{cr2} = 208^1/\text{sec}$; $\omega_{cr3} = 248^1/\text{sec}$ and $\omega_{cr4} = 420^1/\text{sec}$. The computer calculation took 2.5 minutes. The work was carried out in the Laboratory of Hydraulic Machines of the AS UkrSSR under the Corresponding Member of the AS UkrSSR A. P. Filipov, in charge of the project.

Card 5/6

KANTOR, B.Ya.

Programming problems on plate bending for the Strela computer.
Sbor.trud.Lab.gidr.mash. no.9:64-68 '61. (MIRA 15:3)
(Electronic analog computers) (Elastic plates and shells)

37145

S/179/62/000/001/015/027

E114/E181

244200

AUTHORS: Kantor, B.Ya., and Filippov, A.P. (Khar'kov)

TITLE: Analysis of bending of a circular segment shaped plate of variable thickness clamped along a portion of its arcuate edge, utilising a fast computer

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, no.1, 1962, 121-124

TEXT: Making the usual assumptions for a thin plate, a plate of variable thickness is assumed to be subjected to a distributed load, to be clamped along a portion of its arcuate edge, and to be free over the remainder of the arcuate edge. The potential energy of the bent plate is expressed in polar coordinates, and a set of equations is derived in terms of the local thickness and pressure. Three sets of functions have to be solved, and the methods employed were specifically adapted for use with the computer "Strela". The sub-programme of differentiation was framed in terms of powers of polynomials,

Card 1/3

Analysis of bonding of a circular ... S/179/62/000/001/015/027
E114/E181

which led to exact solutions. Since it is convenient to express the thickness of the plate and its loading in the form of a Table, the programme included approximate integration over the area of the plate utilising R. Cotes' formula. To obtain an adequate accuracy of integration, a sufficiently fine grid was drawn by dividing each of the three sections of the plate radially into ten equal parts. By proving that certain terms are equal to zero the computer time was significantly reduced. The computer was next used to calculate deflections and stresses in the plate by feeding into it a matrix of the thickness of the plate and of its loading, as well as the information about the coordinate functions. The programme was in three parts. The first part calculated the top right portion of the matrix and the right part of the system, and recorded the information on a magnetic tape. Next, the computer solved systems of equations for each nodal point of the grid. In the third part of the programme, the computer calculated the deflections and stresses. With sixty nodal points and a computer speed of 2000 operations per second, the first part of the programme required one hour and fifty

Card 2/3

Analysis of bending of a circular ... S/179/62/000/001/015/027
E114/E181

minutes, the second six minutes, and the third four minutes.
It follows from a quoted example that sixty nodal points give
adequate accuracy, and that little or nothing is gained from a
finet grid.

There are 6 figures.

SUBMITTED: August 2, 1961

Card 3/3

ALIKHASHKIN, Ya.I., kand.fiz.-matem.nauk; KANTOR, B.Ya.; MARCHENKO, G.A.;
ORLOVA, I.A., red.; KORKINA, A.I., tekhn.red.

[Standard programs for the "Strela-3" computer] Standartnye
programmy dlia mashiny "Strela-3." Moskva, 1963. 15 p. (Akademiya
nauk SSSR. Vychislitel'nyi tsentr. Standartnye i tipovye programmy
dlia mashiny "Strela-3," no.5). (MIRA 16:10)

KANTOR, B.Ya., inzh.

Calculation of the blades of high-pressure adjustable-blade
hydraulic turbines using the "Strela" computer. Energomashinostroenie
9 no.2:13-16 F '63. (MIRA 16:3)
(Hydraulic turbines)

KANTOR, B.Ya.; MARCHENKO, G.A.

Dynamic and static calculation of plates using high-speed digital
computers. Trudy Lab.gidr.mash.AN USSR no.11:20-29 '64.

(MIRA 17:10)

KANTOR, B.Ya. (Khar'kov)

Engineering nonlinear theory of thin shells with variable
thickness. Prikl. mekh. 1 no.12:22-28 '65.

(MIRA 19:1)

1. Khar'kovskiy filial Instituta mekhaniki AN UkrSSR. Submitted
April 9, 1965.

KANTOR, B.Ya., kand.tekhn.nauk

Characteristics of the inside surface of the blade of an axial-
flow hydraulic turbine. Energomashinostroenie 11 no.3:41-43
Mr '65. (MIRA 18:6)

KANTOR, B. Ye.

One extremum problem. Izv. vys. ucheb. zav.; mat. no.2:110-112
'60. (MIRA 13:7)

1. Leningradskiy pedagogicheskiy institut im. A.I. Gertsena.
(Functions of complex variables)

KANTOR, B. YE., CAND PHYS-MATH SCI, "CERTAIN EXTREME
PROBLEMS OF GEOMETRY AND ~~THE~~ BOUNDARY VALUE PROBLEMS OF
ORDINARY DIFFERENTIAL EQUATIONS." ~~MO~~^{MS}, 1961. (MOSCOW STATE
UNIV IMENI M. V. LOMONOSOV). (KL-DV, 11-61, 208).

KANTOR, B.Ye.

One extremum problem for convex curves. Uch.zap.Ped.inst.Gerts.
218:77-87 '61. (MIRA 14:10)
(Curves)

S/044/62/000/010/004/042
B112/B102

AUTHOR: Kantor, B. Ye.

TITLE: First boundary value (two-point) problem for the equation
 $y'' = f(x, y, y')$

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 38, abstract
10B160 (Uch. zap. Karel'sk. ped. in-t, v. 11, no. 1, 1961,
7 - 24)

TEXT: The two-point boundary value problem

$$y'' = f(x, y, y'); \quad y(a) = y_1, \quad y(b) = y_2 \quad (1)$$

is considered in a class of generalized solutions which represent continuous curves whereon the first derivative is a continuous function with bounded variation. If the function $f(x, y, y')$ is continuous with respect to y and y' for almost all $x \in [a, b]$ that can be measured with respect to x for all y and y' , and if $\varphi_1(x)R(y') \leq f(x, y, y') \leq \varphi_2(x)R(y')$, where

$\varphi_1(x)$ and $\varphi_2(x)$ satisfy the inequalities

Card 1/2

First boundary value...

S/044/62/000/010/004/042
B112/B102

$$\begin{aligned} \tau_1 &= \inf_{(a,b) \subset (a,b)} \int_a^b q_1(x) dx > \\ &> -\tau_0 > -\min \left\{ \int_{-\infty}^{p_0} \frac{dp}{R(p)}, \int_{p_0}^{\infty} \frac{dp}{R(p)} \right\}, \\ \tau_2 &= \sup_{(a,b) \subset (a,b)} \int_a^b q_2(x) dx < \tau_0 < \\ &< \min \left\{ \int_{-\infty}^{p_0} \frac{dp}{R(p)}, \int_{p_0}^{\infty} \frac{dp}{R(p)} \right\}. \end{aligned}$$

where $\tau_0 = \max \{|\tau_1|, |\tau_2|\}$, p_0 is the coefficient of inflection of a straight line passing through the points $A(a, y_1)$ and $B(b, y_2)$, then the problem (1) will be solvable in the generalized sense. At the end of the paper, the differential properties of the generalized solutions are investigated. [Abstractor's note: Complete translation]

Card 2/2

KANTOR, B.Ye.

Boundary value problem for a system of nonlinear ordinary
differential equations of n -th order. Uch. zap. Kar. ped. inst.
14:8-10 '63. (MIRA 17:3)

GAMZBURG, M.; KANTOR, D.; KOTEL'NIKOV, A.; KUPTSOV, A.

"Iauza-5" magnetic tape recorder. Radio no.12:27-30 D '60.

(MIRA 14:1)

(Magnetic recorders and recording)

GANZBURG, M., insh.; KANTOR, D., insh.; KOTEL'NIKOV, A., insh.

The "IAusa-10" stereophonic magnetic tape recorder. Radio
no.2:41-45 F '63. (MIRA 16:2)

(Magnetic recorders and recording)
(Stereophonic sound systems)

KANTOR, D., dotsent

Work of the White Russian Scientific Ophthalmological Society
in 1962. Zdrav. Bel. 9 no.2:82-83 F'63. (MIRA 16:7)
(WHITE RUSSIA--OPHTHALMOLOGY)

MOGILEVCHIK, Z.K.; GABRILOVICH, M.A.; ARINCHIN, N.I.; DMITRIYEV, A.;
KANTOR, D.; KLEBANOV, G.; PILETSKIY, M.

Congresses, conferences, meetings. Zdrav. Bel. 8 no.6:68 Je '62.
(NO SUBJECT HEADINGS) (MIRA 16:8)

CA

The bactericidal action of thiocyanogen compounds
 D. I. Kantor, *Hyg. i Sanit.* (U. S. S. R.) 1940, No. 7, p.
 1-10. Aqueous solns. of thiocyanates in concn. up to 2 N,
 i. e., $\text{NH}_4\text{CNS} = 18.2\%$ and $\text{KCNS} = 19.4\%$, have no
 bactericidal effect on vegetative microbes. Bactericidal
 action of thiocyanates up to 2 N was found only in acidi-
 fied solns., whereby the equiv. solns. of NH_4CNS and
 KCNS are equally bactericidal. The bactericidal effect
 of Lohmann's soln. (0.4% $\text{KCNS} + 0.2\% \text{KIHSO}_5$) is
 higher than the bactericidal effect of phenol: 7-8 times
 for pure cultures of *B. coli* and *Staphylococcus pyogenus*
 aureus, and 4 times for the same cultures protected by 10%
 serum of horse blood. The effect of acidified thiocyanates
 on spores is higher than that of phenol. A soln. of 2%
 $\text{KCNS} + 1\% \text{KIHSO}_5$ killed the anthracoid spores after
 exposure for 6 hrs., while 2% phenol did not have any ef-
 fect even after exposure for 72 hrs. The hardness of the
 water decreases the bactericidal effect of the acidified
 solns. of thiocyanates. Heating to 48° doubles the bac-
 tericidal effect of thiocyanates. Lohmann's soln. is recom-
 mended for disinfection of walls painted with oil paint. A
 soln. of 8% $\text{KCNS} + 2.5\% \text{KIHSO}_5$ is recommended
 for walls covered with wall paper. S. Machelson

HC

KANTOR, D. I.

Kantor, D. I. "Books in current use as possible sources of children's diseases," in symposium; Skarlatina i streptokokkovyye infektsii, Leningrad, 1948, p. 187-214 - Bibliog: p. 212-14

SO: U-2888, Letopis Zhurnal'nykh Statey, NO. 1, 1949

KANTOR, D. I.

PA 153774

USSR/Medicine - Disinfection
Sanitation

Sep 49

"Disinfecting the Air in Children's Institutions.
Filtering the Air of Microbes Through an Oiled
Screen," D. I. Kantor, K. P. Lebedev, 2 1/2 pp

"Gig 1 San" No 9

Found that air stream from 125-watt electric fan
filtered through oiled granite screen 165 x 255 cm
in size reduced microflora of 48.2 cu m room by
62-69%. Method is thus more effect. Oiled
skirting formerly used and has fewer drawbacks. Sug-
gests method be further tested and used in schools
and children's hospitals.

153774

1. Kantor, D. I.
2. USSR (600)
7. "Concerning the Dynamics of the Decrease in the Number of Microbes in the Air of Closed Rooms under the Influence of natural Factors", Gigiyena i Sanitariya, No 8, 1951, pp 11-15

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

Disinfection of air in children's institutions by vapors of
 triethylene glycol. D. I. Kanlor (Leningrad Pediatr.
 Inst. 1. Voprosy Pediatr. i Onkolog. Bacteriologii i Detstva 19,
 No. 6, 22-7 (1966).—Vapors of triethylene glycol afford an
 effective disinfection of living spaces. A 5-min. exposure to
 0.002 g./cu.cm. reduces bacterial population by 74% (by
 Korch method) or 91% (by electrostatic pptn. method). If
 the concentration is 0.164 g./cu.cm., the reduction is 90-8%. The
 treatment is best done in rooms evacuated of personnel.
 O. M. Kozolapoff

Div. Child. Hygiene

Sr. Sci Assoc.
 Cand Med Sci

KANTOR, D.I.

Efficacy of ultrasonic waves as decontaminating agents. *Gig.i san.*
no.4:10-13 Ap '54. (MLRA 7:4)

1. Iz otdela gigiyeny Leningradskogo nauchno-issledovatel'skogo
pediatricheskogo instituta Ministerstva zdavookhraneniya RSFSR.
(Disinfection and disinfectants) (Ultrasonic waves)

KANTOR, D.I., kand.med.nauk

Disinfection of the air in children's hospitals. Gig.i san. 25 no.8:
102-103 Ag '60. (MIRA 13:11)

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